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(71) Applicant: Exxon Chemical Patents, Inc.
Houston, Texas 77079 (US)

(72) Inventors:
, Turner, Howard William
Campbell, California 95008 (US)
, Hlatky, Gregory George
Morrow, Ohio 45152 (US)

(74) Representative:
Veldhuizen, Albert Dirk Willem et al
Exxon Chemical Europe Inc.,
P.O.Box 105
1830 Machelen (BE)

(54) Polymeric product produced with catalyst comprising an ion pair

(57) Polymeric product produced by
polymerising α -olefins, diolefins and/or acetylenically
unsaturated monomers with a catalyst comprising an ion
pair comprising an anion of the
formula $[(M')_m Q_1 Q_2 \dots Q_n]^{d-}$ wherein:

M' is boron or aluminium;

Q_1 to Q_n are selected independently from the group
consisting of hydride radicals, dialkylamido

radicals, alkoxide and aryloxy radicals,
hydrocarbyl and substituted hydrocarbyl radicals
and organometalloid radicals and any one, but no
more than one of the Q_1 to Q_n may be a halide
radical - the remaining Q_1 to Q_n being independently
selected from the foregoing radicals;

m is an integer from 1 to 7; n is an integer from 2
to 8; and $n-m = d$,

the anion containing substituted aromatic carbons and
being fluorine substituted so as to resist degradation.

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EUROPEAN SEARCH REPORT

Application Number
EP 99 20 1939

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	<p>JORDAN R F ET AL: "ETHYLENE POLYMERIZATION BY A CATIONIC DICYCLOPENTADIENYLZIRCONIUM (IV) ALKYL COMPLEX"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, US, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, vol. 108, 1 January 1986 (1986-01-01), pages 7410-7411, XP002019566</p> <p>ISSN: 0002-7863</p> <p>* page 7411, column 2, paragraph 2 *</p> <p>-----</p>	1-4	<p>C08F10/00</p> <p>C08F4/603</p>
			<p>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</p> <p>C08F</p>
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 June 2000	Fischer, B
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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